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LightPath 354064 | 6mm Dia., 0.24 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#37-111** **20+ In Stock**

⊖ 1 ⊕ C\$105⁰⁰

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Volume Pricing

Qty 1-10	C\$105.00 each
Qty 11-49	C\$94.50 each
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Product Downloads

General

Thickness: 0.25 (t) (mm)
Material: BK7

Compatible Window:

354064

Lightpath Lens Code:

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

Physical & Mechanical Properties

6.00 ±0.015 Diameter (mm):

5.2 Clear Aperture CA (mm):

2.59 Edge Thickness ET (mm):

3.10 ±0.05 Center Thickness CT (mm):

Protective as needed Bevel:

8.706 Distance from Window to Lens (D) (mm):

Optical Properties

11.00 @ 633nm Effective Focal Length EFL (mm):

0.24 Numerical Aperture NA:

[D-ZK3](#) Substrate: □

±1 Focal Length Tolerance (%):

633 Aspheric Design Wavelength (nm):

BBAR (1050-1600nm) Coating:

$R_{\text{rms}} < 1.0\%$ @ 1050 - 1600nm Coating Specification:

80-50 Surface Quality:

2.50 f#:

50.22 Abbe Number (v_d):

1.586 Index of Refraction (n_d):

1050 - 1600 Wavelength Range (nm):

9.3 Working Distance (mm):

Infinite Conjugate Distance:

633.00 Focal Length Specification Wavelength (nm):

< 0.09 Transmitted Wavefront Error (λ , RMS):

Material Properties

7.6 Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):

Environmental & Durability Factors

≤200 Operating Temperature ($^{\circ}\text{C}$):

Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) Reach 247:

Product Details

- Eliminate Spherical Aberration
- Multiple Coating Options Available
- Range of Numerical Apertures

LightPath® Geltech™ Molded Aspheric Lenses are used to eliminate spherical aberration and improve focusing and collimating accuracy in a variety of laser applications. Low NA aspheric lenses are designed to maintain beam shape, while high NA lenses gather all available light to maintain beam power over long distances. LightPath® Geltech™ Molded Aspheric Lenses are ideal for applications including sighting systems, bar code scanners, laser diode-to-fiber coupling, optical data storage, or biomedical lasers.

Technical Information



Compatible Mounts